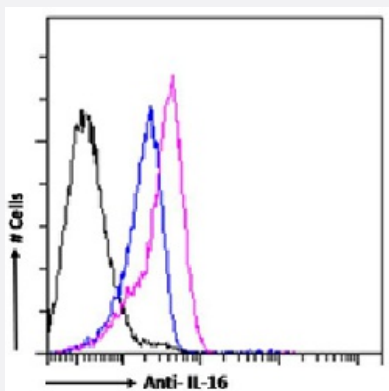


RecomAb™

IL16 recombinant monoclonal antibody, clone 14.1

Catalog # RAB03564 Size 200 ug

Applications



Flow Cytometry

Flow cytometric analysis of human peripheral blood leukocytes with IL16 recombinant monoclonal antibody, clone 14.1 (Cat # RAB03564). The human peripheral blood leukocytes were fixed using 2% PFA and permeabilized 0.5% Triton and stained with anti-Fluorescein IgG antibody (isotype control-black line) or the r version of RAB03564 (blue line) at a dilution of 1:100 for 1h at RT. The blue line shows unstimulated human peripheral blood leukocytes stained with RAB03564. After washing the bound antibody was detected using a goat anti-mouse IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human IL16.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to the predicted amino acid sequence of a hydrophilic region of IL-16.
Reactivity	Human
Form	Liquid
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry Immunohistochemistry Western Blot The optimal working dilution should be determined by the end user.

Storage Buffer

In PBS (0.02% Proclin 300)

Storage Instruction

Store at 4°C for 3 months. For long term storage, aliquot and store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay
- Flow Cytometry

Flow cytometric analysis of human peripheral blood leukocytes with IL16 recombinant monoclonal antibody, clone 14.1 (Cat # RAB03564).

The human peripheral blood leukocytes were fixed using 2% PFA and permeabilized 0.5% Triton and stained with anti-Fluorescein IgG antibody (isotype control-black line) or the r version of RAB03564 (blue line) at a dilution of 1:100 for 1h at RT. The blue line shows unstimulated human peripheral blood leukocytes stained with RAB03564. After washing the bound antibody was detected using a goat anti-mouse IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

Gene Info — IL16

Entrez GeneID[3603](#)**Gene Name**

IL16

Gene Alias

FLJ16806, FLJ42735, FLJ44234, HsT19289, IL-16, LCF, prIL-16

Gene Description

interleukin 16 (lymphocyte chemoattractant factor)

Omim ID[603035](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The signaling process of this cytokine is mediated by CD4. The product of this gene undergoes proteolytic processing, which is found to yield two functional proteins. The cytokine function is exclusively attributed to the secreted C-terminal peptide, while the N-terminal product may play a role in cell cycle control. Caspase 3 is reported to be involved in the proteolytic processing of this protein. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000190849|OTTHUMP00000190850|interleukin 16|lymphocyte chemoattractant factor

Disease

- [Asthma](#)
- [Biliary Tract Neoplasms](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Chronic Disease](#)
- [Colorectal Neoplasms](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [DNA Damage](#)
- [Edema](#)
- [Endometriosis](#)
- [Esophagitis](#)
- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Hepatitis C](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Inflammation](#)
- [Kidney Neoplasms](#)
- [Leukemia](#)

- [Liver Failure](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Nasopharyngeal Neoplasms](#)
- [Pain](#)
- [Periodontitis](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Recurrence](#)
- [Respiratory Syncytial Virus Infections](#)
- [Stomach Neoplasms](#)